

Glutathione S-Transferase Activity Assay kit

GST is a family of proteins with multiple physiological functions, mainly in the cytoplasm. GST is an important part of the detoxification enzyme system in the body. It mainly catalyzes the covalent bonding of various chemical substances and their metabolites with the sulfhydryl group of GSH, so that electrophilic compounds become hydrophilic substances, which are easily excreted from bile or urine, and achieve the purpose of degrading and excreting various potentially or toxic substances in the body. Therefore, GST plays an important biological function in protecting cells from damage by electrophilic compounds. In addition, because GST has GSH-Px activity, also known as non-Se GSH-Px, it has the function of repairing oxidatively damaged macromolecules such as DNA and proteins. Note that the reaction catalyzed by GST reduces the GSH content, but does not increase the GSSG content.

GST catalyzes the combination of GSH and CDNB, and the light absorption peak wavelength of the combined product is 340nm; GST activity can be calculated by measuring the rate of increase in absorbance at 340nm wavelength.

Catalog No.	250035
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	UV spectrophotometry
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs